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PAG/OSB/M-183-66
12 December 1966

MEMORANDUM FOR: Assistant for Technical Development, NPIC

ATTENTION : Chief, Experimental Development Laboratory

SUBJECT : Comparative Measurements of Microscopes and Viewers

1. The Photographic Analysis Group understands that a Sign Wave Test Apparatus is soon to be received by the Technical Development Staff. It is requested that all types of microstereoscopes and stereomicroscopes presently in use in PAG be tested and a comparison of their responses be forwarded. If possible, tests of existing rear projection viewers should also be undertaken.

2. In the past there has been a great deal of discussion concerning discernible imagery when using various microscopes. This has been resolved partially through the use of high resolution, high contrast Air Force bar targets. Since imagery viewed by the photo-interpreter falls within the low and medium contrast ranges, with few high contrast targets, a more meaningful test of the microscope is required. The apparatus to be received by the Technical Development Staff should accomplish this purpose.

3. PAG would be extremely interested in the results of such a test of existing equipment. Evaluation of future microscopes or those available but not in general use could be made to insure the operating components of the superiority, if any, of microscopes under consideration.

25X1A



Colonel, USA
Assistant for Photographic Analysis, NPIC

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MEMORANDUM FOR:

I think it might be well worth our while to include another paragraph, or amend the first paragraph to include the information that the EDL established a high-priority project dealing with just this problem, in July 1966, as a result of a PSF from [REDACTED] and approved in POP. We have not started it because of the lack of the Sine-Wave tester now nearing completion. I feel we should mention this to let PAG know that we are not sleeping on the job, and that we are planning at all times. We have enough trouble anticipating their needs - here is one which we anticipated long ago and ought to mention it. (The best defense is a good offense, etc.)

25X1A *[Signature]*

27 December 1966
(DATE)

OR have done

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

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